

IN THE SPECIFICATION

Please replace the two paragraphs starting on page 7 line 3 of the specification with the following:

1 Figure 2 is a view of a stent graft system of Figure 1, in which the stent graft has
2 been deployed. The syringe plunger has been depressed so as to force fluid from the
3 syringe into the catheter and into a fluid delivery chamber (described in detail below).
4 Such an introduction of fluid, under sufficient pressure, causes the containment sheath 52
5 to move proximally, in proximal direction shown by the arrow 64, so as to ultimately
6 abut against backstop 50. This movement causes the containment sheath 52 to no longer
7 contain a stent graft 60 formerly contained therein. The containment sheath 52 is moved
8 to a location equal to or beyond the stent cup plunger 66. Stent cup plunger 66 is a ring
9 type structure engaged with the catheter body 34 and is sized to snugly fit within the
10 containment sheath 52 wherein the stent cup plunger 66 acts as the end surface of the anti
11 kink spacer which as the spacer coils are compressed and contact one another and
12 become inflexible establishes a limit for the movement in the proximal direction by the
13 stent graft 60 as the containment sheath 52 is moved in the proximal direction 64.

1 Stent graft 60 discussed may be any self expanding stent or stent graft sized to be
2 released from a complementarily sized containment sheath, although in one embodiment
3 the stent graft comprises a Talent stent graft, available from Medtronic AVE, Sunrise,
4 Florida, a division of Medtronic AVE, Santa Rosa, California.

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2 Please replace the paragraph starting at page 13 li. 10 with the following:

3 An embodiment of the invention includes a method for hydraulically retracting a
4 stent containment sheath comprising the steps of: providing a catheter having fixed seal
5 fixed to a fixed seal mount thereon, with a fluid receiving chamber section on one side of
6 the fixed seal and an anti kinking spacer on a second side of the with a plunger cup
7 disposed at the end of the antikinking spacer opposite the fixed seal with a stent in a
8 compressed pre deployment position disposed around a stent retention section of the
9 catheter beyond the plunger cup; surrounding a portion of a distal end of the catheter with
10 a containment sheath such sheath containing the fixed seal and the fixed seal mount and
11 the antikinking spacer and the plunger cup and the stent in the pre deployment position,

12 the containment sheath being sized to seal against the fixed seal of the catheter and
13 including a movable seal which moves with the containment catheter and seals against
14 the catheter to establish a fluid receiving chamber between the catheter, the containment
15 sheath and the fixed seal and the movable seal; and injecting fluid into a lumen of the
16 catheter in communication with a fluid opening in the fluid receiving chamber, such
17 pressurization causing the retraction sheath to retract with respect to the catheter and
18 uncover the stent for deployment. The method further includes constructing the stent
19 containment from at least two different diameters and/or materials (with respect to sliding
20 friction or lubricity).

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